

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A NOx removal system for ~~use in a~~ boiler, comprising: loading means ~~serving for~~ loading a reducing agent ~~and provided~~ at an outlet of a gas passageway in a boiler body; and a NOx removal catalyst provided downstream of the loading means.

2. (Currently Amended) The NOx removal system for ~~use in a~~ boiler as claimed in Claim 1, wherein the reducing agent is ammonia.

3. (Currently Amended) The NOx removal system for ~~use in a~~ boiler as Claimed in Claim 1, wherein the reducing agent is urea ~~water itself or ammonia obtained by decomposing urea water.~~

4. (Currently Amended) The NOx removal system for ~~use in a~~ boiler as claimed in Claim 1, wherein the loading means operates to load the reducing agent toward its upstream side.

5. (New) The NOx removal system for a boiler as claimed in claim 1, wherein the reducing agent is ammonia obtained by decomposing urea water.

6. (New) In a boiler comprising a boiler body, a burner directing a flame into said boiler body, an exhaust gas exit and a plurality of heat transfer tubes in said boiler body between said burner and said exhaust gas exit defining at least one gas passageway through said boiler, the improvement comprising:

a NOx reduction system including at least one nozzle in the

boiler body directed toward an outlet of the at least one gas passageway; and

a source of a reducing agent connected to said nozzle.

7. (New) The apparatus of claim 6 wherein said plurality of heat transfer tubes comprises a plurality of heat transfer tubes arranged in rows.

8. (New) The apparatus of claim 7 wherein said at least one gas passageway is defined by adjacent first and second ones of said rows.

9. (New) The apparatus of claim 7 wherein said at least one gas passageway is defined by non-adjacent first and second ones of said rows.

10. (New) The apparatus of claim 6 wherein said plurality of heat transfer tubes comprises a first plurality of heat transfer tubes substantially surrounding a combustion space and a second plurality of heat transfer tubes substantially surrounding said first plurality of heat transfer tubes, said at least one gas passageway being defined on a first side by said first plurality of heat transfer tubes and on a second side by said second plurality of heat transfer tubes.

11. (New) The apparatus of claim 10 wherein the heat transfer tubes of said first plurality of heat transfer tubes are connected to adjacent ones of said first plurality of heat transfer tubes by fins.

12. (New) The apparatus of claim 11 wherein the heat transfer tubes of said second plurality of heat transfer tubes are connected to adjacent ones of said second plurality of heat transfer tubes by fins.

13. (New) The apparatus of claim 6 wherein said plurality of heat transfer tubes comprises a first plurality of heat transfer tubes arranged in a first circle and a second plurality of heat transfer tubes arranged in a second circle concentric with said first circle, said at least one gas passageway being defined by said first circle and said second circle.

14. (New) The apparatus of claim 6 wherein said plurality of heat transfer tubes comprises a first plurality of heat transfer tubes arranged in a first circle and connected by fins and a second plurality of heat transfer tubes connected by fins and arranged in a second circle concentric with said first circle, said at least one gas passageway being defined by said first circle and said second circle.

15. (New) The apparatus of claim 6 wherein said at least one nozzle is mounted between said plurality of heat transfer tubes and said exhaust gas exit.

16. (New) A method of removing NO<sub>x</sub> from a boiler comprising the steps of:

providing a supply of a reducing agent;

injecting the reducing agent into a gas flow leaving a gas

passage in a boiler to mix the reducing agent with the gas flow;  
and

directing the gas flow mixed with the reducing agent past a  
NOx removal catalyst.

17. (New) The method of claim 16 wherein said step of  
providing a supply of a reducing agent comprises the step of  
providing a supply of ammonia.

18. (New) The method of claim 16 wherein said step of  
providing a supply of a reducing agent comprise the step of  
providing a supply of urea water.

19. (New) The method of claim 16 wherein said step of  
providing a supply of a reducing agent comprise the steps of  
providing a supply of urea water and producing ammonia from the  
urea water.

AMENDMENTS TO THE DRAWINGS

Attached hereto are two (2) sheets of corrected formal drawings that comply with the provisions of 37 C.F.R. § 1.84. The corrected formal drawings incorporate the following drawing changes:

**Legends have been added to elements 14, 15 and 16 in  
Figures 1 and 3.**

It is respectfully requested that the corrected formal drawings be approved and made a part of the record of the above-identified application.